

PRODUCTION OF ALPHA-OLEFIN OLIGOMER

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Abstract of JP7157512

PURPOSE:To obtain an alpha-olefin oligomer in high yield and selectivity while suppressing the formation of polymer having high molecular weight by using a catalyst system composed of a combination of specific compounds. **CONSTITUTION:**An alpha-olefin oligomer (preferably mainly 1-hexene) is produced by oligomerizing an alpha-olefin (preferably ethylene) in the presence of a chromium- based catalyst system consisting of a combination of at least (i) a chromium compound, (ii) an amine or a metal amide, (iii) an alkylaluminum compound and (iv) a compound of formula I or formula II (M<1> and M<2> are a group IIIB, IVB, V, VIB element of the Periodic Table; R<1> to R<7> are an inorganic group, an organic group, a negative atom, preferably H, a dialkylamino, a 1-20C alkoxy, an organic metalloid, a halogen, etc.; [L]<+> is a cation containing an element selected from the elements of the groups IA, VIIA, VIII, IB and IIIB to VIB of the Periodic Table).

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